



Australian Government

CPCCON3048 Construct tilt panels on site

Release: 1

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Modification History

- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- Supersedes and is equivalent to CPCCCO3048 Construct tilt panels on site.

Application

This unit of competency specifies the skills and knowledge required to work in a team to set up, pour and place concrete tilt panels to form internal and external walls for building structures. It includes on-site and prefabricated methods of panel construction.

A person who has achieved this unit of competency would be expected to take responsibility for organising and completing these tasks with a high degree of self-direction.

Licensing, legislative, regulatory or certification requirements apply to this unit of competency in some states and territories. For further information, check with the relevant regulatory authority.

Completion of the general construction induction training program, specified in the Safe Work Australia model *Code of Practice: Construction Work*, is required by anyone carrying out construction work. Achievement of *CPCCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

Pre-requisite Unit

CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

Unit Sector

Concreting

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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| 1 Plan and prepare to construct tilt panels on site. | 1.1 Interpret tilt panel design specifications and drawings and clarify construction requirements with relevant persons. |
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- 1.2 Plan work tasks to comply with relevant legislation, regulations, standards, codes, work health and safety (WHS), environmental and workplace requirements.
 - 1.3 Select and fit required personal protective equipment (PPE).
 - 1.4 Inspect work site, assess hazards and apply risk controls, including required signage and barricades.
 - 1.5 Select plant, tools and equipment, check for serviceability and rectify or report any faults.
 - 1.6 Calculate and acquire material quantities to meet task specifications and safely locate materials ready for use.
- 2 Set out and construct temporary casting bed.
- 2.1 Select suitable area to construct casting bed in accordance with work instructions.
 - 2.2 Prepare ground to a flat surface in readiness for casting bed.
 - 2.3 Place and finish casting bed to meet work instructions.
 - 2.4 Coat casting bed with bond breaker in accordance with product specifications.
- 3 Set out work and prepare formwork for panel.
- 3.1 Set out location and size of tilt panel in accordance with drawings and specifications.
 - 3.2 Prepare, place and fix tilt panel edge formwork, and plumb and align to specifications.
 - 3.3 Apply bond breaker to casting bed face or casting form face of previous panel to ensure ease of panel separation, in accordance with manufacturer requirements for dose and quantity.
 - 3.4 Apply form release agent to formwork in accordance with specifications.
- 4 Place and tie reinforcement and
- 4.1 Check reinforcement, accessories and cast-in fittings for conformity with design and engineering specifications.

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| cast-in fittings | 4.2 | Position reinforcement, accessories and cast-in fittings in accordance with engineering drawings and specifications. |
| | 4.3 | Tie reinforcement in correct placement in accordance with engineering drawings and specifications. |
| 5 Place, finish and cure concrete. | 5.1 | Place concrete evenly and consolidate to specification using approved vibration method. |
| | 5.2 | Screed and finish concrete surface to specification ensuring cast-in fittings are clear. |
| | 5.3 | Apply required curing process. |
| | 5.4 | Strip edge formwork after final panel is cast, ensuring no damage to panels. |
| 6 Clean up. | 6.1 | Clear work area and dispose of, reuse or recycle materials in accordance with regulatory and workplace requirements. |
| | 6.2 | Clean, check, maintain and store plant, tools and equipment in accordance with manufacturer and workplace requirements. |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to CPCCCO3048 Construct tilt panels on site.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>